

Appendix Table 1-8
Mean and distribution of science literacy assessment scores for 15-year-old students in developed countries, by country: 2012

			Percentage of students whose score fell below or above the percentile scores of all developed countries							
Country	Mean score	Score differs from United States	Below 1st percentile	Below 5th percentile	Below 10th percentile	Above 90th percentile	Above 95th percentile	Above 99th percentile	Mean deviation	Deviation differs from United States
All developed countries	511.0	^	1.0	5.0	10.0	10.0	5.0	1.0	77.3	≈
Developed countries										
Australia	521.5	^	0.9	4.6	9.1	13.7	7.6	1.8	80.5	^
Austria	505.8	≈	0.7	4.9	10.4	8.0	3.4	0.5	74.8	≈
Belgium	504.9	≈	2.0	7.4	12.9	9.2	4.2	0.6	81.2	^
Canada	525.4	^	0.5	3.3	6.9	11.5	5.8	1.3	72.4	–
Czech Republic	508.3	^	1.0	4.4	8.8	7.8	3.5	0.6	72.4	≈
Denmark	498.5	≈	1.3	6.2	11.5	6.9	2.9	0.4	74.1	≈
Estonia	541.4	^	0.1	0.9	2.6	13.1	6.3	1.1	64.4	–
Finland	545.4	^	0.5	2.4	5.0	17.4	9.7	2.3	73.8	≈
France	499.0	≈	2.2	7.7	13.5	8.0	3.6	0.6	80.3	^
Germany	524.1	^	0.8	3.8	8.0	12.3	6.1	1.0	76.7	≈
Greece	466.7	–	2.1	9.5	18.1	2.6	1.0	0.1	70.7	–
Iceland	478.2	–	2.5	10.2	17.8	5.3	2.6	0.4	79.6	^
Ireland	522.0	^	0.6	3.5	7.2	10.9	5.4	1.0	72.9	≈
Israel	470.1	–	4.4	13.8	22.0	6.0	2.8	0.4	87.3	^
Italy	493.5	≈	1.3	6.6	12.8	6.2	2.7	0.4	74.8	≈

			Percentage of students whose score fell below or above the percentile scores of all developed countries							
Country	Mean score	Score differs from United States	Below 1st percentile	Below 5th percentile	Below 10th percentile	Above 90th percentile	Above 95th percentile	Above 99th percentile	Mean deviation	Deviation differs from United States
Japan	546.7	^	0.6	2.8	5.6	18.6	10.1	2.4	76.2	≈
Latvia	502.2	≈	0.3	2.8	7.2	4.5	1.6	0.2	63.2	–
Luxembourg	491.2	≈	2.0	9.0	16.3	8.3	4.1	0.8	83.9	^
Netherlands	522.1	^	0.7	4.1	8.7	12.0	5.6	0.8	76.9	≈
New Zealand	515.6	^	1.4	6.1	11.4	13.6	7.4	1.9	84.9	^
Norway	494.5	≈	2.0	7.7	13.7	7.7	3.8	0.8	79.6	^
Poland	525.8	^	0.2	2.0	5.3	11.0	5.7	1.1	69.2	–
Portugal	489.3	≈	1.0	6.4	12.9	4.7	1.7	0.2	71.2	–
Singapore	551.5	^	0.5	3.0	6.3	23.0	14.0	4.2	84.5	^
Slovakia	471.2	–	3.3	11.8	20.0	5.0	2.2	0.4	81.2	^
Slovenia	514.1	^	0.5	3.5	8.0	9.7	4.6	0.7	73.3	≈
South Korea	537.8	^	0.2	1.7	4.0	11.9	5.1	0.7	65.2	–
Spain	496.4	≈	1.0	5.0	10.3	4.9	1.9	0.2	69.0	–
Sweden	484.8	–	2.4	9.2	16.1	6.5	2.9	0.5	79.6	^
Switzerland	515.3	^	0.6	4.1	8.5	9.5	4.2	0.6	73.2	≈
United Kingdom	514.1	^	1.2	5.5	10.2	11.4	6.0	1.4	80.0	^
United States of America	497.4	na	0.9	5.6	11.7	7.6	3.9	0.8	75.8	na
Developing countries										
Albania	397.4	–	11.2	27.9	42.0	0.4	0.1	0.0	76.7	≈

			Percentage of students whose score fell below or above the percentile scores of all developed countries							
Country	Mean score	Score differs from United States	Below 1st percentile	Below 5th percentile	Below 10th percentile	Above 90th percentile	Above 95th percentile	Above 99th percentile	Mean deviation	Deviation differs from United States
Argentina	405.6	–	6.9	24.6	39.8	0.2	0.1	0.0	68.1	–
Brazil	404.7	–	5.5	25.5	42.9	0.3	0.1	0.0	63.1	–
Bulgaria	446.5	–	4.9	17.9	28.7	3.1	1.3	0.2	83.1	^
Chile	444.9	–	1.3	11.3	23.7	1.0	0.3	0.0	64.7	–
Colombia	398.7	–	5.7	25.6	43.5	0.1	0.0	0.0	60.7	–
Costa Rica	429.4	–	1.5	12.4	26.5	0.3	0.1	0.0	56.0	–
Croatia	491.4	≈	0.7	4.8	11.2	4.7	1.9	0.2	68.8	–
Hungary	494.3	≈	0.9	5.5	11.8	6.0	2.4	0.2	72.6	≈
Indonesia	381.9	–	6.3	31.8	52.9	0.0	0.0	0.0	54.3	–
Jordan	409.4	–	6.1	22.7	37.7	0.3	0.1	0.0	65.8	–
Kazakhstan	424.7	–	2.5	15.2	30.0	0.2	0.0	0.0	59.2	–
Lithuania	495.7	≈	0.7	4.8	10.4	5.2	2.1	0.2	68.6	–
Malaysia	419.5	–	3.2	19.2	33.8	0.4	0.1	0.0	63.0	–
Mexico	414.9	–	2.8	17.1	33.6	0.1	0.0	0.0	56.0	–
Montenegro	410.1	–	5.7	23.7	39.6	0.4	0.1	0.0	67.8	–
Peru	373.1	–	10.9	38.4	57.0	0.0	0.0	0.0	62.2	–
Qatar	383.6	–	15.6	40.1	54.2	1.5	0.7	0.1	85.2	^
Romania	438.8	–	1.5	12.4	26.1	0.9	0.2	0.0	63.4	–
Russian Federation	486.3	–	0.7	5.2	11.8	4.3	1.8	0.2	68.1	–
Serbia	444.8	–	2.6	13.6	25.1	1.7	0.6	0.1	69.9	–
Thailand	444.0	–	1.1	10.1	22.0	0.9	0.3	0.0	60.8	–



^ = estimate is significantly higher than the United States; - = estimate is significantly lower than the United States; ≈ = estimate is not significantly different from the United States; na = not applicable;.

The science literacy assessment score ranges from 0 to 1,000. Some apparent differences between estimates may not be statistically significant.

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